

Patent

THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Shin-Tson WU, et al.) Re: Disclosure of Information
Serial No.: 09/285,937) Group: 1721
Filing Date: April 2, 1999) Examiner: not yet assigned
For: "DOPANTS FOR LIQUID-) Our Ref.: B-3539/JP/616758-3
CRYSTAL DEVICE") Date: July 29, 1999

Hon. Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir:

In accordance with the Applicants' duty to disclose information which may be material to the examination of this application, the Applicants submit the accompanying Form PTO-1449 (modified) and copies of the cited document. The citation of these documents noted therein should not be deemed as an admission that they are necessarily relevant to this application or that they are necessarily prior art to this application. The Applicants reserve the right to assert that these documents are not relevant and/or not prior art if and when the need to do so may arise. Before issuing the first substantive Office Action, the Examiner is respectfully requested to consider the documents listed in the enclosed Form PTO-1449 (modified).

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Information Disclosure Statement
U.S. Serial No.: 09/285,937

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July 29, 1999

If any fees are due, please charge our Deposit Account No. 12-0415 or credit any overpayment to our Account No. 12-0415. No fees should be due because this Disclosure of Information Statement is being filed before the issuance of an office action.

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first-class mail in an envelope addressed to the "Commissioner of Patents and Trademarks, Washington, D.C. 20231", on July 29, 1999 by Karyn Lao



Respectfully submitted,

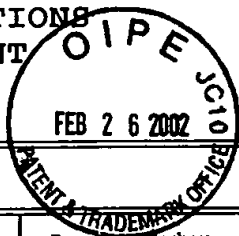


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Enclosures: Form PTO-1449 (modified) (2 pages)
 copies of cited documents

Form PTO-1449 (Modified)	ATTY DOCKET NO. B-3539 616758-3	U.S. SERIAL NO. 09/285,937
LIST OF PATENTS AND PUBLICATIONS STATEMENT	APPLICANT Shin Tson WU, et al.	
	FILING DATE April 2, 1999	GROUP 1721



U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AA	Wu et al. "High Solubility and Low Viscosity Dyes for Guest-Host Displays," <u>Asia Display '95</u> , pp. 567-570 (1995)
AB	Kippelen et al. "Infrared Photorefractive Polymers and Their Applications for Imaging," <u>Science</u> Vol. 279, pp. 54-57 (1998)
AC	White et al. "New absorptive mode reflective liquid-crystal display device," <u>Journal of Applied Physics</u> Vol. 45 No. 11, pp. 4718-4723 (1974)
AD	Yang, et al. "Cholesteric reflective display: Drive scheme and contrast," <u>Appl. Phys. Lett.</u> Vol. 64 No. 15, pp. 1905-1907 (1994)
AE	Piers et al. "Alkylation of 1,5-Dimethoxy-1,4-cyclohexadiene. A Convenient Synthesis of 2-Alkyl- and 2-Alkenyl-1,3-cyclohexanediones," <u>Journal of Organic Chemistry</u> Vol. 42 No. 23, pp. 3755-3757 (1977)
AF	Weinstein et al. "Reduction of 2,7-Dimethoxynaphthalene," <u>Journal of Organic Chemistry</u> Vol. 30, pp 3209-3211 (1965)
AG	Lemke. "Knoevenagel-Kondensationen in Dimethylformamid," <u>Synthesis</u> , pp. 359-361 (1974)
AH	Fatiadi. "New Applications of Malononitrile in Organic Chemistry-Part 1," <u>Synthesis</u> , pp. 165-204 (1978)
AI	Wu et al. "Experimental confirmation of the Osipov-Terentjev theory on the viscosity of nematic liquid crystals," <u>Physical Review A</u> Vol. 42 No. 4, pp. 2219-2227 (1990)

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AJ	Wu et al. "Liquid crystal dyes with high solubility and large dielectric anisotropy," <u>Applied Physics Letters</u> Vol. 64 No. 17, pp. 2191-2193 (1994)
AK	Wu et al. "High Dielectric Dopants for Low Voltage Liquid Crystal Operation," <u>Japanese Journal of Applied Physics</u> Vol. 37 Part 2 No. 10B, pp.L1254-L1256 (1998)
AL	Wu et al. "Absorption and scattering measurements of nematic liquid crystals," <u>Applied Optics</u> Vol. 26 No. 9, pp. 1722-1727 (1987)
AM	Khoo et al. "Optics and Nonlinear Optics of Liquid Crystals," <u>World Scientific</u> , Singapore (1993)

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

